

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
 United States Patent and Trademark
 Office
 Box PCT
 Washington, D.C.20231
 ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 13 August 1999 (13.08.99)	
International application No. PCT/US98/27322	Applicant's or agent's file reference 07844/304WO1
International filing date (day/month/year) 21 December 1998 (21.12.98)	Priority date (day/month/year) 23 December 1997 (23.12.97)
Applicant RAMAN, T., V. et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

24 June 1999 (24.06.99)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election
- ☒
- was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Jean-Marie McAdams Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 13 JUL 2000

2171

Applicant's or agent's file reference 07844/304WO1	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US98/27322	International filing date (day/month/year) 21 DECEMBER 1998	Priority date (day/month/year) 23 DECEMBER 1997
International Patent Classification (IPC) or national classification and IPC Please See Supplemental Sheet.		
Applicant ADOBE SYSTEMS INCORPORATED		RECEIVED NOV 13 2000

Technology Center 2100

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 21 DECEMBER 1999	Date of completion of this report 14 JUNE 2000
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer MICHEAL RAZAVI <i>Joni Hill</i>
Facsimile No. (703) 305-3230	Telephone No. (703) 305-3900

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/27322

I. Basis of the report**1. With regard to the elements of the international application:***☒ the international application as originally filed☒ the description:

pages 1-39

, as originally filed

pages NONE , filed with the demand

pages NONE , filed with the letter of

☒ the claims:

pages 40-52

, as originally filed

pages NONE , as amended (together with any statement) under Article 19

pages NONE , filed with the demand

pages NONE , filed with the letter of

☒ the drawings:

pages 1-6

, as originally filed

pages NONE , filed with the demand

pages NONE , filed with the letter of

☒ the sequence listing part of the description:

pages NONE

, as originally filed

pages NONE , filed with the demand

pages NONE , filed with the letter of

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).☐ the language of publication of the international application (under Rule 48.3(b)).☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).**3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:**☐ contained in the international application in printed form.☐ filed together with the international application in computer readable form.☐ furnished subsequently to this Authority in written form.☐ furnished subsequently to this Authority in computer readable form.☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.**4. ☒ The amendments have resulted in the cancellation of:**☒ the description, pages NONE☒ the claims, Nos. NONE☒ the drawings, sheets/fig. NONE**5. ☒ This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).****

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

**Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/27322

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. statement**

Novelty (N)	Claims <u>1-92</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-92</u>	NO
Industrial Applicability (IA)	Claims <u>1-92</u>	YES
	Claims <u>NONE</u>	NO

2. citations and explanations (Rule 70.7)

Claims 1-92 lack an inventive step under PCT Article 33(3) as being obvious over Winiger et al. in view of Shaw et al..

With respect to claims 38-92, Winiger et al. discloses "generating and storing in the first document description file a description of an operation" ("the document parts (components) are provided . . ."—abstract)"generating and storing in the first document description file a location description for the referenced document, the location description providing sufficient information to enable a program to locate and retrieve the entire contents of the reference document" ("fig. 6 discloses generating and storing of description file"—drawings)"that can be performed on the document to produce information derived from the referenced document" ("this context reference is made to local values . . ."—column 7, line 14).

Winiger et al. does not disclose "wherein the description of the location comprises a uniform resource locator", however, it is notoriously known in the art to implement a uniform resource locator for describing the location of document attributes.

Winiger et al. discloses "wherein the uniform resource locator identifies a server configured to produce the referenced document upon request" ("transfer a specific component from one document to another . . ."—column 8, line 16).

Winiger et al. discloses "wherein the uniform resource locator identifies a location at which the referenced document is stored" ("fig. 1b teaches the above limitation—drawings)

Winiger et al. discloses "a transformation of the document filed stored in a first storage format to a file stored in a second storage format and is distinct from the file stored in the second storage format" (locally or sub-locally differing components . . ."—column 15, line 47).

Winiger et al. discloses "wherein the second document description file describes the first document description file" ("sub-components which also have properties corresponding . . ."—column 16, line 55).

Winiger et al. discloses "extraction of information from the referenced document" ("fig. 2 teaches the above limitation—drawings).

Winiger et al. does not disclose "the document represents a (Continued on Supplemental Sheet.)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/27322

Supplemental B x

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below:
IPC(6): G06F 13/00, 17/21, 3/00; G06T 11/00 and US Cl.: 707/500, 513, 516, 4, 523, 525, 524, 526

I. BASIS OF REPORT:

5. (Some) amendments are considered to go beyond the disclosure as filed:
NONE

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):

multi-layered graphical object, and the information extracted from the document describes a subset of the layers of the multi-layered graphical object." Shaw et al. discloses "the document represents a multi-layered graphical object, and the information extracted from the document describes a subset of the layers of the multi-layered graphical object" ("a graphics device interface having an implementation of the plurality of the graphics device interface functions . . ."—column 71, line 12). It would have been obvious at the time of the invention for one of ordinary skill in the art to have combined the teachings of Shaw "the document represents a multi-layered graphical object, and the information extracted from the document describes a subset of the layers of the multi-layered graphical object" ("a graphics device interface having an implementation of the plurality of the graphics device interface functions . . ."—column 71, line 12 with the teaching of Winiger above, because using the steps of "the document represents a multi-layered graphical object, and the information extracted from the document describes a subset of the layers of the multi-layered graphical object" would have given those skilled in the art the ability to represent layered image objects of a document.

Winiger et al. discloses "wherein application-specific data comprises a name of an application that produced the document" ("fig.4 teaches the above limitation . . ."—drawings)

With respect to claims 1-37, refer to arguments given above for claims 38-92.

Response to Applicant's arguments

With respect to applicant's arguments concerning "neither Winiger et al. nor Shaw et al. discloses generating a document description file . . .", have been fully considered but are not persuasive. Examiner contends that Winiger's teachings involving "the document parts (components) are provided with properties . . ."—abstract is illustrative of a file that describes the file's appearance or content.

----- NEW CITATIONS -----

EPO 0325316 XP (WINIGER et al.) 26 JULY 1989, see columns 1-16, lines 1-60.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
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BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/27322

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G06F 13/00, 17/21, 3/00; G06T 11/00
US CL : 707/500, 513, 516, 4, 523, 525, 524, 526

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 707/500, 513, 516, 4, 523, 525, 524, 526

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 5,794,234 A (CHURCH ET AL.) 11 AUGUST 1998, see entire document.	1-92
A	US 5,604,843 A (SHAW ET AL.) 18 FEBRUARY 1997	1-92



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Z* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

24 FEBRUARY 1999

Date of mailing of the international search report

12 MAY 1999

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